



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 4-7

Issued: 2 Feb 2022 / 0800L (1300Z)

Valid: 3 Feb 2022 / 1303 – 1643 (1803 – 2143Z)

Forecast Discussion: The Spaceport will remain under the influence of a large area of high pressure over the eastern US and western Atlantic, bringing breezy onshore flow today and Thursday. There will be a small chance for Atlantic showers to reach the Spaceport at times, but the concern for the Thursday afternoon launch window remains very low. The main threat during the window will be Cumulus Clouds.

Storm system moving across the Central US will move into the southeastern US on Friday. However, its southward progress will be considerably slowed down by the influence of the high over the Atlantic still lingering over Florida. The weather for the backup launch window on Friday looks similar to Thursday, with the threat remaining for Cumulus Cloud Rule violations.

		Probability of Violating Weather Constraints					
Launch Day	20%	Primary Concerns: Cumulus Cloud Rule					
	Weather Conditions				Additional Risk Criteria		
	Weather/Visibility: None / 7 mi.	Clouds				Upper-Level Wind Shear: Low	
	Temp/Humidity: 73°F / 68%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Moderate	
	Liftoff Winds (200'): 140° 12 - 17 mph	Cumulus	Scattered	3,500	8,000	Solar Activity: Low	
	Cirrostratus	Scattered	20,000	25,000			
24-Hour Delay	Probability of Violating Weather Constraints						
	30%	Primary Concerns: Cumulus Cloud Rule					
	Weather Conditions				Additional Risk Criteria		
	Weather/Visibility: None / 7 mi.	Clouds				Upper-Level Wind Shear: Low	
	Temp/Humidity: 75°F / 68%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low	
Liftoff Winds (200'): 160° 10 - 15 mph	Cumulus	Scattered	3,500	10,000	Solar Activity: Low		
	Cirrostratus	Scattered	20,000	30,000			
Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.							
Next Forecast Will Be Issued		As Needed					